



Spill Prevention, Preparedness, and Response Program Prevention Section

PUGET SOUND FIELD OFFICE

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Tanker Voluntary Best Achievable Protection (VBAP) and ECOPRO Standards BOARDING CHECKLIST

IMO / LLOYD'S NO.	NAME OF VESSEL	CASE NUMBER
DATE	LOCATION OF INSPECTION	<input type="checkbox"/> PORT SIDE TO <input type="checkbox"/> STBD SIDE TO <input type="checkbox"/> AT ANCHOR <input type="checkbox"/> IN DRYDOCK <input type="checkbox"/> AGROUND <input type="checkbox"/> UNDERWAY
FLAG	PORT: _____ PLACE: _____ Latitude: _____ Longitude: _____	
INSPECTED BY	NAME OF MASTER/ATTENDING PERSONNEL	VBAP <input type="checkbox"/> ECOPRO <input type="checkbox"/>

COMMENTS

SAFETY REPORT? ☐ YES ☐ NO BUNKERING? ☐ YES ☐ NO PREVIOUSLY BOARDED? ☐ YES ☐ NO

Department of Ecology inspectors use this Boarding Checklist to determine whether Washington's VBAP / ECOPRO Standards are being met.

FOR OFFICE USE ONLY:

ECY 050-35
(8/2002)

To receive this document in alternative format, contact the
SPILLS Program at (360) 407-7455 (voice)
or (360) 407-6006 (TDD).

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INITIAL BOARDING INFORMATION

Initial observations/impressions of vessel.

Gangway arrangement safe?

Mooring arrangement adequate?

Ship aware of visit?

Agent Present?

Name:

Verify Flag, Class, and Owner/Operator

CERTIFICATES

[Check, if document is with Agent]

International Loadline Certificate (ILC)	Issue Date/Expiry Date: Full Term Interim Conditional Provisional
Ship Safety Equipment Certificate (SEC) Safety of Life At Sea (SOLAS)	Issue Date/Expiry Date: Full Term Interim Conditional Provisional
Ship Safety Construction Certificate (SCC) Certificate (SOLAS)	Issue Date/Expiry Date: Full Term Interim Conditional Provisional
International Oil Pollution Prevention Certificate (IOPP)	Issue Date/Expiry Date: Full Term Interim Conditional Provisional
Certificate of Financial Responsibility (COFR) Cert. #	Responsible Party: Effective Date: Expiry Date:
Safe Manning Certificate (Non-US) Certificate of Inspection (US)	Issued by: Issue Date/Expiry Date:
Port State Vessel Exam Type: Last Port Issued: Date of Last Exam: Port State Inspector:	Deficiencies (if applicable):
Quality Management System Certificates, ISM:	DOC SMC
Issued to:	Issued by:
Address:	Issued date:
	Expiry date:

**CONTINGENCY PLAN FIELD
DOCUMENT**

WAC 317-10-075

Vessel Received Field Document

- | | |
|----------------------------------------------------------------------------------------------|-----------------------------------------------|
| <input type="checkbox"/> Document not onboard. | <i>Copy of Field Doc. left onboard</i> |
| <input type="checkbox"/> Document brought aboard by Agent after vessel entered state waters. | |
| <input type="checkbox"/> Document onboard prior to vessel entering state waters. | |
| <input type="checkbox"/> Document incorporated into vessel's shipboard procedures manual. | |
| <input type="checkbox"/> Over and above previous. | |

Vessel Possesses and Understands Field Document

- | |
|-----------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Document not onboard. |
| <input type="checkbox"/> Document aboard but not understood or not posted in a conspicuous and accessible location. |
| <input type="checkbox"/> Document understood by crew and posted in a conspicuous and accessible location. |
| <input type="checkbox"/> Document is posted in a conspicuous and accessible location and crew is trained in the proper use of document. |
| <input type="checkbox"/> Over and above previous. (i.e. incorporated in training per WAC 317-40.) |

NOTES:

VBAP Standard		ECOPRO Standard
PERSONNEL POLICIES		
TRAINING		
Comprehensive Training Program (17)	Y	N
Vessel's crew has STCW 95 certifications	<input type="checkbox"/>	<input type="checkbox"/>
Company policy requires any new hire to complete company training program within 3 years of date of hire.	<input type="checkbox"/>	<input type="checkbox"/>
		Required training is completed within less than 3 years of hire date OR program includes additional topics or elements. <input type="checkbox"/> (See booklet for examples of additional topics)
Vessel Familiarization (Orientation) (18)		
Orientation for newly assigned personnel that includes: Station Assignments.	<input type="checkbox"/>	<input type="checkbox"/>
Vessel familiarization tour that includes:	<input type="checkbox"/>	<input type="checkbox"/>
Walking tour of deck house and other designated spaces.	<input type="checkbox"/>	<input type="checkbox"/>
Identification of all egress routes.	<input type="checkbox"/>	<input type="checkbox"/>
		Training contains additional topics. <input type="checkbox"/> (See booklet for examples of additional topics)
Position Specific Training (19)	Y	N
Vessel senior officers are trained in Shipboard Management	<input type="checkbox"/>	<input type="checkbox"/>
Master and licensed deck officers are trained in:		
Shiphandling.	<input type="checkbox"/>	<input type="checkbox"/>
Automatic Radar Plotting Aids.	<input type="checkbox"/>	<input type="checkbox"/>
Master, licensed deck officers, and ratings assigned duties are trained in:		
Bridge Resource Management.	<input type="checkbox"/>	<input type="checkbox"/>
Cargo Handling.	<input type="checkbox"/>	<input type="checkbox"/>
Master and licensed deck and engine officers are trained in:		
Crude Oil Washing (if so equipped).	<input type="checkbox"/>	<input type="checkbox"/>
Inert Gas System (if so equipped).	<input type="checkbox"/>	<input type="checkbox"/>
Licensed engineers are trained in:		
Vapor recovery (if so equipped).	<input type="checkbox"/>	<input type="checkbox"/>
All Personnel Trained in:		
Oil Spill Prevention and Response Duties.	<input type="checkbox"/>	<input type="checkbox"/>
Shipboard Fire Fighting.	<input type="checkbox"/>	<input type="checkbox"/>
Refresher Training (20)	Y	N
Refresher every 5 years.	<input type="checkbox"/>	<input type="checkbox"/>
Refresher training includes examination of the crew member's skills to determine his or her ability to safely and effectively perform in the position assigned.	<input type="checkbox"/>	<input type="checkbox"/>
Crew member who missed refresher training must repeat the position specific training.	<input type="checkbox"/>	<input type="checkbox"/>

Shipboard Drills (21)		Y	N	ECOPRO Standard
Following drills conducted and logged MONTHLY : Date: _____ Frequency if more often: _____				A formal critique of the drill is presented to all crew members after each drill AND <input type="checkbox"/>
Fire Drills. 46CFR199.180	<input type="checkbox"/>	<input type="checkbox"/>		Items requiring follow-up corrective action are logged AND <input type="checkbox"/>
Abandon Ship Drill SOLAS Ch. III, Part B, Reg. 18	<input type="checkbox"/>	<input type="checkbox"/>		a crew person is assigned to take the required corrective action, if identified. <input type="checkbox"/>
Following drills conducted and logged QUARTERLY : Date: _____ Frequency if more often: _____				
Oil Spill Response.	<input type="checkbox"/>	<input type="checkbox"/>		
Emergency Steering. SOLAS Ch. V, Reg. 19-2(d)	<input type="checkbox"/>	<input type="checkbox"/>		
Loss of Propulsion.	<input type="checkbox"/>	<input type="checkbox"/>		
Loss of Electrical Power.	<input type="checkbox"/>	<input type="checkbox"/>		
Emergency Towing.	<input type="checkbox"/>	<input type="checkbox"/>		
Man Overboard.	<input type="checkbox"/>	<input type="checkbox"/>		
Event Reporting (16)		Y	N	ECOPRO Standard
Vessel has appropriate event report form.		<input type="checkbox"/>	<input type="checkbox"/>	ECOPRO standard is identical. <input type="checkbox"/>
Vessel has instructions to send event report to Ecology if vessel is involved in an event in state waters.		<input type="checkbox"/>	<input type="checkbox"/>	
Vessel has definition of "event" as per BAP standards.		<input type="checkbox"/>	<input type="checkbox"/>	
Personnel Evaluation System (23)		Y	N	ECOPRO Standard
Annual evaluation for permanent crew members.		<input type="checkbox"/>	<input type="checkbox"/>	Any crewmember whose performance evaluation indicates the need for training, completes the training in one year. <input type="checkbox"/>
Fitness for duty monitored by officers.		<input type="checkbox"/>	<input type="checkbox"/>	
Unfit crew member relieved of duties.		<input type="checkbox"/>	<input type="checkbox"/>	
DRUG AND ALCOHOL POLICY (22)		Y	N	ECOPRO Standard
The use of illicit drugs and consumption of alcohol onboard tankers in Washington State waters is prohibited.				Vessel personnel are trained in both drug and alcohol abuse awareness and in drug and alcohol testing OR
Observed use of drugs or consumption of alcohol onboard?	<input type="checkbox"/>	<input type="checkbox"/>		random testing is conducted more frequently. <input type="checkbox"/>
Observed condition indicating possible use of drugs or consumption of alcohol onboard?	<input type="checkbox"/>	<input type="checkbox"/>		
Alcohol testing equipment onboard?	<input type="checkbox"/>	<input type="checkbox"/>		Type?
WORK HOURS (24)		Y	N	ECOPRO Standard
Crew cannot work more than 15/24 nor more than 36/72 hours.				Work hour restrictions exceed OPA 90 or rest period requirements exceed STCW 95 OR
Verify work hour compliance through records.	<input type="checkbox"/>	<input type="checkbox"/>		extra licensed watchstanders are available. <input type="checkbox"/>
Complies with applicable federal and international standards.	<input type="checkbox"/>	<input type="checkbox"/>		

LANGUAGE PROFICIENCY (25) Common languages:	Y	N	ECOPRO Standard
LDOs and oil-transfer Persons-In-Charge (PICs) are proficient in English.	<input type="checkbox"/>	<input type="checkbox"/>	Company verifies proficiency in English during pre-hiring screening AND <input type="checkbox"/>
A working language is understood and spoken by subordinate officers and unlicensed crew.	<input type="checkbox"/>	<input type="checkbox"/>	all business between ships and shoreside staff is conducted in English AND <input type="checkbox"/>
All operating manuals, directives, written instructions, placards, and station bills are printed in a language understood and spoken by both the vessel's licensed officers and unlicensed crew.	<input type="checkbox"/>	<input type="checkbox"/>	key ratings on board ships are required to be proficient in English. <input type="checkbox"/>
Record Keeping Training and Work Hours (26)	Y	N	ECOPRO Standards
Training Records: Detailed training records are maintained for all crew on each vessel. Maintained either on the vessel or at a central location.	<input type="checkbox"/>	<input type="checkbox"/>	ECOPRO Standard identical. <input type="checkbox"/>
Records available within 72-hours if maintained at central location.	<input type="checkbox"/>	<input type="checkbox"/>	
Work Hour Records: Compliance with applicable federal work hour requirements is documented on board the vessel.	<input type="checkbox"/>	<input type="checkbox"/>	
MANAGEMENT PRACTICES			
Vessel Management System	Y	N	
Vessel Management System certification in addition to ISM:	<input type="checkbox"/>	<input type="checkbox"/>	By Whom?
Vessel Visitation (27)	Y	N	ECOPRO Standard
Evidence of at least quarterly visits by company management. Last visit:	<input type="checkbox"/>	<input type="checkbox"/>	Visitation is conducted more frequently than quarterly. <input type="checkbox"/>
Frequency? By whom? Announced:	<input type="checkbox"/>	<input type="checkbox"/>	
Visits recorded in deck log?	<input type="checkbox"/>	<input type="checkbox"/>	
Hull Inspections Plans (29)	Y	N	ECOPRO Standard
Critical areas of the vessel's holds (tanks), piping, and hull are visually inspected annually and thickness is gauged where structural integrity is questioned. Any deficiencies are corrected.	<input type="checkbox"/>	<input type="checkbox"/>	The company has dedicated personnel who perform inspections of critical areas more frequently than annually <input type="checkbox"/> AND company has shoreside personnel responsible for implementation of inspections of critical areas. <input type="checkbox"/>
Corrosion is noted, reduction measures are identified, and corrosion reduction measures are scheduled.	<input type="checkbox"/>	<input type="checkbox"/>	
Corrective action is documented and this documentation is maintained on board the vessel.	<input type="checkbox"/>	<input type="checkbox"/>	

OPERATING PROCEDURES

NAVIGATION

BRIDGE WATCH PRACTICES	Y	N	ECOPRO Standard
Navigation Watch (1)			ECOPRO standard is identical. <input type="checkbox"/>
2 Licensed Deck Officers (LDOs), helmsman, and lookout posted while in state waters. (One LDO may be pilot.)	<input type="checkbox"/>	<input type="checkbox"/>	
3 LDOs, helmsman, and lookout posted during restricted visibility while in state waters. (One LDO may be pilot.)	<input type="checkbox"/>	<input type="checkbox"/>	
Periods of restricted visibility logged.	<input type="checkbox"/>	<input type="checkbox"/>	
Lookouts have rapid and reliable means of communication. Describe.	<input type="checkbox"/>	<input type="checkbox"/>	
Names of navigation watch members logged in logbook.	<input type="checkbox"/>	<input type="checkbox"/>	
Compass Checks (9)	Y	N	ECOPRO Standard
Established schedule for frequent checks of gyro and magnetic compasses.	<input type="checkbox"/>	<input type="checkbox"/>	Additional equipment (extra master gyrocompass, extra gyro repeaters, or extra magnetic compass) is onboard AND <input type="checkbox"/> additional test are performed to verify accuracy of compasses AND <input type="checkbox"/> there is additional procedure to inform bridge team of known compass error. <input type="checkbox"/>
Compass error?			
Fix Intervals (7)	Y	N	ECOPRO Standard
Vessel position constantly monitored.	<input type="checkbox"/>	<input type="checkbox"/>	Fix recorded more often than every 15 min. <input type="checkbox"/> OR fixes are electronically <i>and</i> manually recorded. <input type="checkbox"/>
Position recorded at 15 min. intervals or less. Frequency? How recorded?	<input type="checkbox"/>	<input type="checkbox"/>	
Technology (31)	Y	N	ECOPRO Standard
GPS.	<input type="checkbox"/>	<input type="checkbox"/>	ECOPRO standard is identical. <input type="checkbox"/>
Emergency Towing Gear.	<input type="checkbox"/>	<input type="checkbox"/>	
Anchor Watch (5)	Y	N	ECOPRO Standard
LDO on bridge at all times.	<input type="checkbox"/>	<input type="checkbox"/>	More than one person on watch during periods of restricted visibility, OR position plotted more often than hourly. <input type="checkbox"/>
Position continuously monitored.	<input type="checkbox"/>	<input type="checkbox"/>	
Position fixed and plotted at least once each hour.	<input type="checkbox"/>	<input type="checkbox"/>	

Bridge Pre-Arrival Tests and Inspections (14)		Y	N	ECOPRO Standard
Within 12 hours prior to entry				
Navigation equipment including: (errors logged)				Vessel has remote devices to monitor more equipment subject to pre-arrival and pre-departure and inspections OR vessel conducts tests and inspections than those required under the BAP standard. <input type="checkbox"/> (See booklet for examples of additional topics)
Compasses		<input type="checkbox"/>	<input type="checkbox"/>	
Radars		<input type="checkbox"/>	<input type="checkbox"/>	
Direction Finders		<input type="checkbox"/>	<input type="checkbox"/>	
Speed monitoring devices inspected. Type?		<input type="checkbox"/>	<input type="checkbox"/>	
Steering system tested; steering gear flat inspected?		<input type="checkbox"/>	<input type="checkbox"/>	
Main engine tested ahead/astern?		<input type="checkbox"/>	<input type="checkbox"/>	
Vessel fitted with Controllable-Pitch (CP) propeller?		<input type="checkbox"/>	<input type="checkbox"/>	
If YES , has CP Propeller been tested through full range of pitch?		<input type="checkbox"/>	<input type="checkbox"/>	
Bridge Resource Management (2)		Y	N	ECOPRO Standard
Defined bridge team assignments and duties for:				Additional BRM training provided for all watchstanders at least annually. <input type="checkbox"/> (See booklet for examples of additional topics)
➤ Open sea transits.		<input type="checkbox"/>	<input type="checkbox"/>	
➤ Coastal/Restricted waterway navigation.		<input type="checkbox"/>	<input type="checkbox"/>	
➤ Restricted visibility.		<input type="checkbox"/>	<input type="checkbox"/>	
Procedures for navigating with a pilot.		<input type="checkbox"/>	<input type="checkbox"/>	
Defined responsibilities, stations, and communication guidelines for each bridge team member in emergency response, including pollution incidents.		<input type="checkbox"/>	<input type="checkbox"/>	
Clearly articulated goals, objectives, and priorities for each bridge team member.		<input type="checkbox"/>	<input type="checkbox"/>	
Clear delegation of duties, responsibilities, and authority between bridge team members.		<input type="checkbox"/>	<input type="checkbox"/>	
Guidelines for understandable and situation-specific communication between bridge team members, and between the bridge team and pilot for:				
➤ Open sea transits.		<input type="checkbox"/>	<input type="checkbox"/>	
➤ Coastal/Restricted waterway navigation.		<input type="checkbox"/>	<input type="checkbox"/>	
➤ Restricted visibility.		<input type="checkbox"/>	<input type="checkbox"/>	
Comprehensive berth to berth passage and voyage planning.		<input type="checkbox"/>	<input type="checkbox"/>	
Defined responsibilities, stations, and communication guidelines for each bridge team member for maneuvering to enter or leave designated and/or customary:				
➤ Shipping lanes.		<input type="checkbox"/>	<input type="checkbox"/>	
➤ Anchorage.		<input type="checkbox"/>	<input type="checkbox"/>	
➤ Moorage.		<input type="checkbox"/>	<input type="checkbox"/>	

Coordination with Pilots (3)	Y N	ECOPRO Standard
Master-Pilot Conference, checklist with following elements: (May be done with pre-escort conference.)		Pilotage checklist requires additional information than standard form. <input type="checkbox"/>
Information requested by Pilot under WAC 296-116-205. (N/A Col. Riv.) Pilotage Commission Card.	<input type="checkbox"/> <input type="checkbox"/>	(See booklet for examples of additional topics)
Deck officer responsibilities per BRM system.	<input type="checkbox"/> <input type="checkbox"/>	
Bridge team English proficiency identification.	<input type="checkbox"/> <input type="checkbox"/>	
Passage plan for restricted waterways, including:	<input type="checkbox"/> <input type="checkbox"/>	
Intended routes, waterways transited, appropriate speed, for each waterway characteristics, including:		
➤ Depths.	<input type="checkbox"/> <input type="checkbox"/>	
➤ Type of bottom.	<input type="checkbox"/> <input type="checkbox"/>	
➤ Currents.	<input type="checkbox"/> <input type="checkbox"/>	
➤ Tides.	<input type="checkbox"/> <input type="checkbox"/>	
➤ Anchorage areas.	<input type="checkbox"/> <input type="checkbox"/>	
Ship-to-shore communications.	<input type="checkbox"/> <input type="checkbox"/>	
Escort and assist tug requirements and communications.	<input type="checkbox"/> <input type="checkbox"/>	
Voyage Planning (8)	Y N	ECOPRO Standard
Comprehensive written voyage plan that includes:		Any voyage plan updates are made by a
➤ Channel depth and width, turning areas, navigational obstructions, and appropriate speeds for each waterway transited.	<input type="checkbox"/> <input type="checkbox"/>	licensed deck officer AND <input type="checkbox"/> voyage plans are prominently displayed <input type="checkbox"/> AND voyage plans are retained onboard for
➤ Accuracy/dependability/operating status of available navigational aids.	<input type="checkbox"/> <input type="checkbox"/>	at least 6 months. <input type="checkbox"/>
➤ Designated environmentally sensitive areas, traffic separation schemes, areas-to-be-avoided, landfalls, routes expected to be transited at night, and other areas where caution should be exercised.	<input type="checkbox"/> <input type="checkbox"/>	
➤ Predicted weather, currents, and tides.	<input type="checkbox"/> <input type="checkbox"/>	VTS manual aboard?
➤ Expected vessel traffic.	<input type="checkbox"/> <input type="checkbox"/>	Standard plan in use?
➤ Procedures, expected communications, and times for complying with the requirements for vessel traffic services, pilotage, tug escorts, tug assists.	<input type="checkbox"/> <input type="checkbox"/>	
➤ Emergency procedures for vessel casualties, pollution incidents, personnel health and safety while in state waters.	<input type="checkbox"/> <input type="checkbox"/>	
➤ Berthing and anchoring arrangements.	<input type="checkbox"/> <input type="checkbox"/>	
➤ Engineering considerations, such as pre-arrival tests and inspections, planned maintenance, fuel tanks used and expected fuel consumption, stability, trim and drafts, and required ballast.	<input type="checkbox"/> <input type="checkbox"/>	
➤ Charts and nautical publications information current and correct.	<input type="checkbox"/> <input type="checkbox"/>	

Security Rounds (4)	Y	N	ECOPRO Standards
Conducted while underway, at anchor, and moored.	<input type="checkbox"/>	<input type="checkbox"/>	Rounds are conducted more often than every 2 hours; OR <input type="checkbox"/>
Master designated areas of vessel to be covered.	<input type="checkbox"/>	<input type="checkbox"/>	If vessel is equipped with functioning automated fire and flooding detection systems, more often than every 4 hours.
Training and checklist provided for crewmembers conducting rounds including instruction that crewmember notify deck watch prior to attempting corrective action.	<input type="checkbox"/>	<input type="checkbox"/>	
Rounds conducted every 2 hours, OR rounds conducted every 4 hours if vessel equipped with automated fire and flooding detection systems.	<input type="checkbox"/>	<input type="checkbox"/>	
Log entries made for all rounds completed.	<input type="checkbox"/>	<input type="checkbox"/>	
Assist Tug(s) at Port Angeles (10)	Y	N	ECOPRO Standard
Laden tanker uses at least one assist tug for anchoring and departing anchorage	<input type="checkbox"/>	<input type="checkbox"/>	An assist tug is used when in ballast if another vessel is in anchorage. <input type="checkbox"/>
EMERGENCY PROCEDURES (15)	Y	N	ECOPRO Standard
Posted Station Bill for the following emergencies: Language? Where posted? ➤ Fire. ➤ Abandon Ship. ➤ Man Overboard. ➤ Oil Spill Response.	<input type="checkbox"/>	<input type="checkbox"/>	Vessel has an Emergency Squad and Crewmembers participate in advanced emergency preparedness training program for additional emergencies. <input type="checkbox"/> (See booklet for examples of additional topics).
Written procedures for the following: ➤ Collisions/Allisions. ➤ Groundings/Strandings. ➤ Hull Breach, Structural Failure, and Foundering. ➤ Loss of Propulsion. ➤ Loss of Steering. ➤ Loss of Electrical Power. ➤ Gyrocompass Malfunction.	Y	N	Language?
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
Written procedures outlining preparations for: ➤ Emergency Towing. ➤ Responding to loss of throttle control from bridge which includes ensuring that engineers are quickly on station. ➤ Weather that poses a hazard to personnel, the vessel, or equipment.	Y	N	Language?
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	Incl. while at sea and at anchor.

ENGINEERING WATCH PRACTICES

Engineering Watch (6)	Y	N	ECOPRO Standard
Licensed Engineering Officers (LEOs) in Engine Control Room (ECR) and in immediate vicinity of emergency throttle controls IF ECR is not within the machinery spaces; and vessel is maneuvering to embark/disembark pilot, dock/undock, anchor or depart anchorage.	<input type="checkbox"/>	<input type="checkbox"/>	More than one LEO is on duty while ship is in Washington State waters, OR the ship is equipped with automated systems for monitoring the engine room. <input type="checkbox"/> (See booklet for examples of additional topics)
Ship Service Generators (11)	Y	N	ECOPRO Standard
Vessel has automatic switching gear for stand-by generators.	<input type="checkbox"/>	<input type="checkbox"/>	Vessel has generators with functional automatic standby switching gear. <input type="checkbox"/>
If NO , vessel stand-by generator running and immediately available while underway in state waters.	<input type="checkbox"/>	<input type="checkbox"/>	
Steering Flat Inspections (12)	Y	N	ECOPRO Standard
Flat monitored by closed circuit television or other monitoring system.	<input type="checkbox"/>	<input type="checkbox"/>	Vessel has video monitoring equipment OR automatic alarm system installed in steering flat AND <input type="checkbox"/>
If NO , hourly inspections conducted while operating in state waters.	<input type="checkbox"/>	<input type="checkbox"/>	crew conducts hourly rounds of flat. <input type="checkbox"/>
Maneuvering Fuel (13)	Y	N	ECOPRO Standard
Does vessel use different fuel for maneuvering?	<input type="checkbox"/>	<input type="checkbox"/>	ECOPRO standard is identical. <input type="checkbox"/>
If YES , main engine operating to capacity on maneuvering fuel before entering state waters.	<input type="checkbox"/>	<input type="checkbox"/>	
Fuel Type:			
Engineering Pre-Arrival Tests and Inspections (14)	Y	N	ECOPRO Standard
Emergency and Stand-by service generators started and switch gear proven operable?	<input type="checkbox"/>	<input type="checkbox"/>	Vessel has remote devices to monitor <input type="checkbox"/>
Steering gear flat inspected?	<input type="checkbox"/>	<input type="checkbox"/>	equipment subject to tests/inspections OR vessel conducts additional tests/inspections.
Main lube oil pumps?	<input type="checkbox"/>	<input type="checkbox"/>	(See booklet for examples of additional topics)
Main heavy fuel oil pumps?	<input type="checkbox"/>	<input type="checkbox"/>	
Are lube and fuel oil systems fitted with duplex strainers?	<input type="checkbox"/>	<input type="checkbox"/>	
If YES , stand-by strainers cleaned, purged, made available?	<input type="checkbox"/>	<input type="checkbox"/>	
Sufficient fuel for transit transferred to settler tank, service tank or both?	<input type="checkbox"/>	<input type="checkbox"/>	

For MOTOR-driven tankers:			
Main/Stand-by cooling water circulation pumps tested, ready for immediate use?	<input type="checkbox"/>	<input type="checkbox"/>	
Intake/Charge air aux. blowers tested, ready for immediate use?	<input type="checkbox"/>	<input type="checkbox"/>	
Start/Control air tanks filled, ready for use?	<input type="checkbox"/>	<input type="checkbox"/>	
Main/Stand-by air compressors tested, ready for immediate use?	<input type="checkbox"/>	<input type="checkbox"/>	
Start air piping system aligned and drained of condensate?	<input type="checkbox"/>	<input type="checkbox"/>	
For STEAM-driven tankers:			
Spare boiler burners prepared and ready for immediate use?	<input type="checkbox"/>	<input type="checkbox"/>	
Forced draft fans tested and ready for immediate use?	<input type="checkbox"/>	<input type="checkbox"/>	
Main/Stand-by feed water pumps tested and ready for immediate use?	<input type="checkbox"/>	<input type="checkbox"/>	
Planned Maintenance (PM) Program (28)	Y	N	ECOPRO Standard
Evidence of a planned maintenance system for navigation, propulsion, steering, communications, electrical and cargo systems. Describe.	<input type="checkbox"/>	<input type="checkbox"/>	Selected systems are inspected more frequently than annually if appropriate <input type="checkbox"/> AND PM system is at least partially computer based <input type="checkbox"/> AND all licensed officers who use the PM system are determined to be competent in PM procedures. <input type="checkbox"/>
Preventive maintenance for each system according to the procedures and recommended frequency of the machine's or equipment's manufacturer.	<input type="checkbox"/>	<input type="checkbox"/>	
Annual inspections for each system.	<input type="checkbox"/>	<input type="checkbox"/>	
Inventory control and maintenance of necessary replacement parts.	<input type="checkbox"/>	<input type="checkbox"/>	
Preventive Maintenance Documentation (30)	Y	N	ECOPRO Standard
Surveys of the holds (tanks), piping, and hull by the vessel's classification society, or other entity, are documented and kept onboard the vessel.	<input type="checkbox"/>	<input type="checkbox"/>	Licensed officers who use a particular system are determined to be competent in document control procedures for that particular system, <input type="checkbox"/>
Reports generated are kept onboard the vessel.	<input type="checkbox"/>	<input type="checkbox"/>	AND the company uses an electronically-archived documentation maintenance system, showing all expiration dates, etc. <input type="checkbox"/>

CONDITION EVALUATION AS EVIDENCE OF ON-GOING PREVENTIVE MAINTENANCE PROGRAM

MACHINERY SPACES / PUMP ROOM / IG ROOM

General observed condition:

Examine bilge, purifiers, generator engines, HFO heaters, boiler fronts and decks.

Examine pumps, piping, sea valves, expansion joints and heat exchangers.

Examine fire extinguishers, escape routes, emergency procedures and equipment.

Examine vital auxiliary pumps, MSD, oily water separator and incinerator.

Any sign of oil leaks? Specify.

Any sign of wastage, temporary repairs? Specify.

SAFETY EQUIPMENT

General observed condition of safety equipment.

Examine emergency gear station, foam and CO2 system.

Examine life boats, life rafts and firefighting equipment.

ADDITIONAL REMARKS

CONDITION EVALUATION AS EVIDENCE OF ON-GOING PREVENTIVE MAINTENANCE PROGRAM

DECK, DECK PIPING, STRUCTURES, ETC.

General observed condition:

Examine for signs of wastage? Specify.

Examine for oil leaking on deck? Specify.

MOORING STATIONS

Condition of wires/ropes.

Condition of winches/ drum brakes.

GROUND TACKLE

General observed condition.